

Fig. 1

Fig. 2

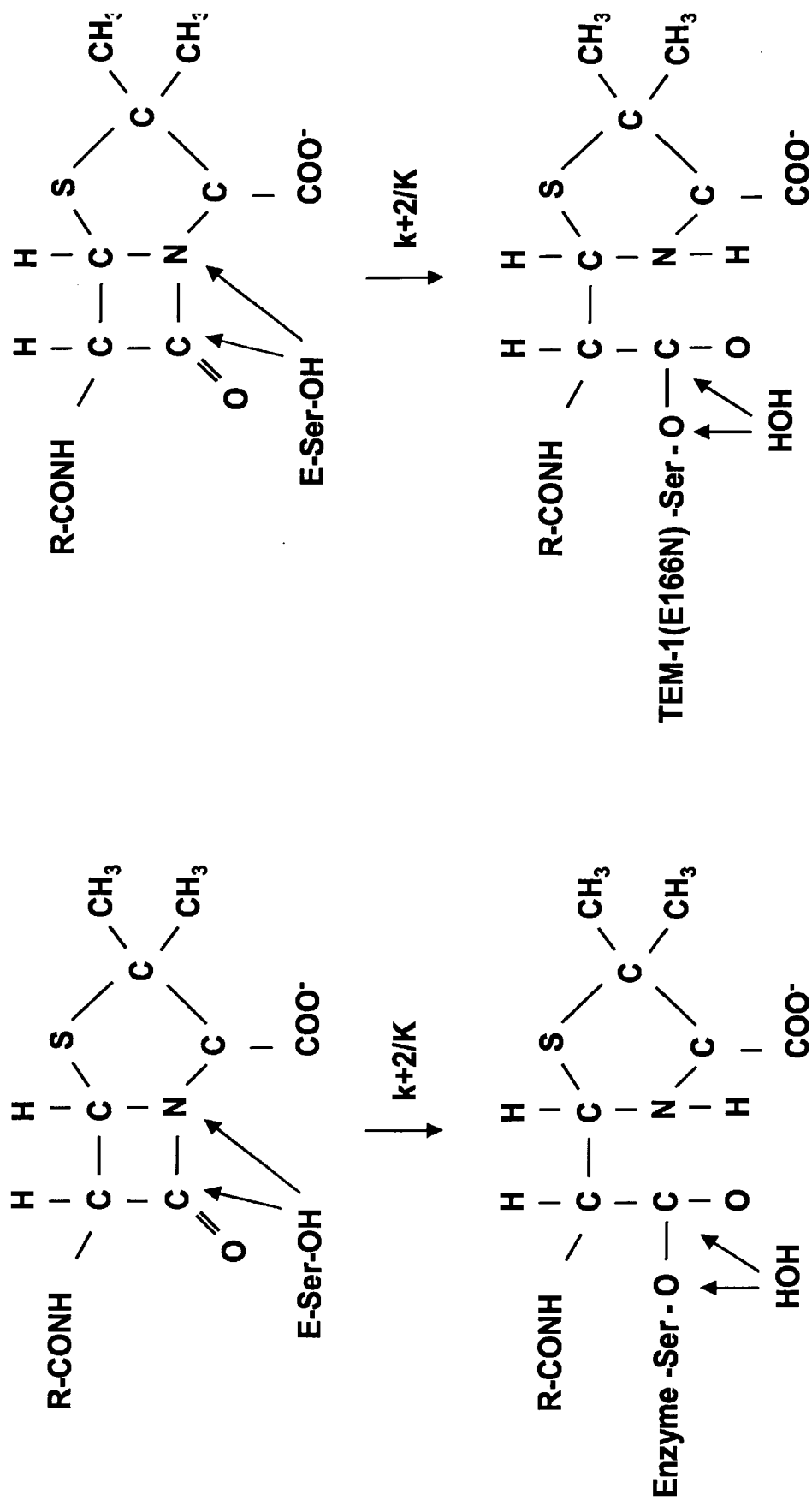


Fig. 3

TEM-1 WT	Leu Leu Thr Gly Glu Leu Leu Thr Leu Ala CTA-TTA- ACT- GGC- GAA- CTA- CIT- ACT- CTA- GCT
TEM-1 197 <i>KpnI</i>	Leu Leu Thr Gly Val Pro Leu Thr Gly Thr Leu Ala CTA-TTA- ACT- GGG- GTA- CCC- CTA- ACT- GGC- ACT- CTA- GCT <i>KpnI</i>
TEM-1 197 cartridge 1	Leu Leu Thr Gly Val Pro Pro Gly Leu Gln Leu Glu Leu Lys Pro Gly Arg Tyr Pro Leu Thr Gly Glu Leu CTA-TTA- ACT- GGG- GTA- CCG- CCC- GGG- CTG- CAG- CTC- GAG- CTT- AAG- CCC- GGG- TAC- CCC- CTA- ACT- GGC- GAA- CTA <i>KpnI</i> <i>SmaI</i> <i>PstI</i> <i>XhoI</i> <i>AflIII</i> <i>SmaI</i> <i>KpnI</i>
TEM-1 197 cartridge 2	Leu Leu Thr Gly Val Pro Pro Gly Arg Tyr Pro Leu Thr Gly Glu Leu CTA-TTA- ACT- GGG- GTA- CCG- CCC- GGG- CGG- TAC- CCC- CTA- ACT- GGC- GAA- CTA <i>KpnI</i> <i>SmaI</i> <i>KpnI</i>

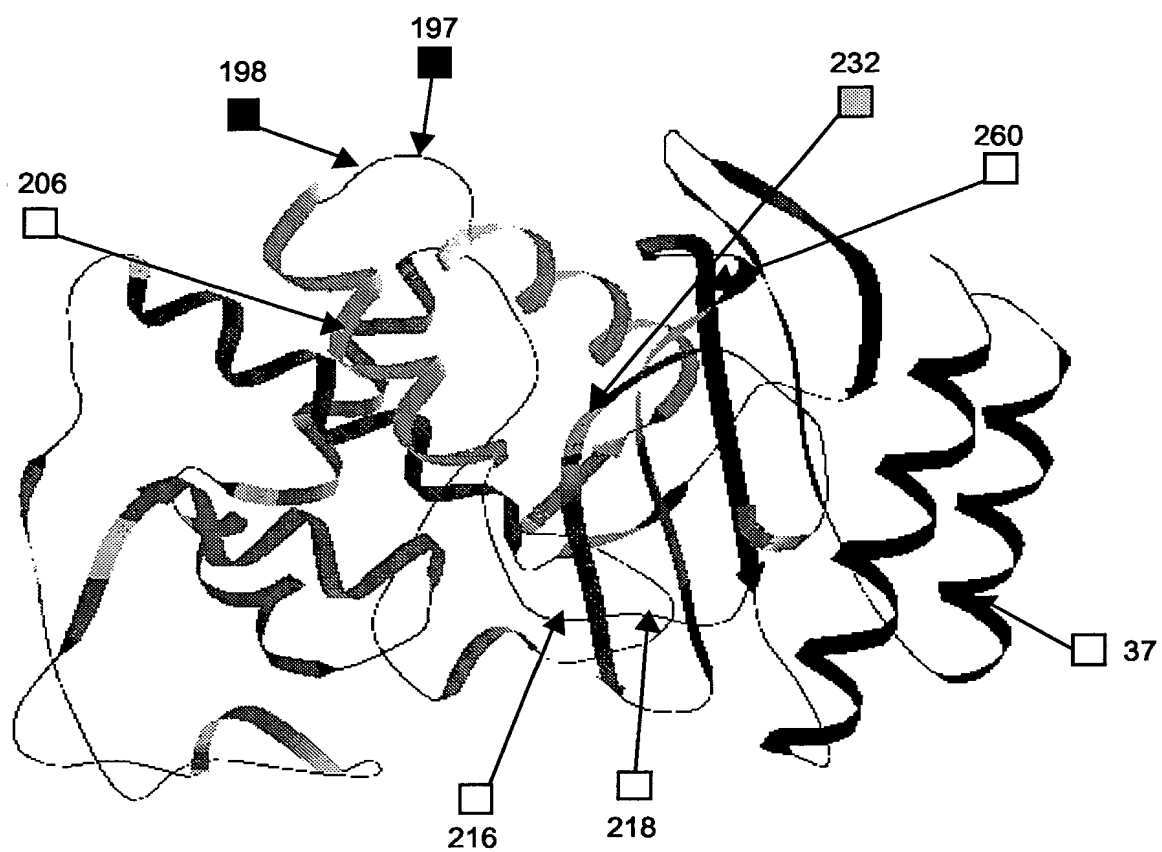
Fig. 6

Fig. 7

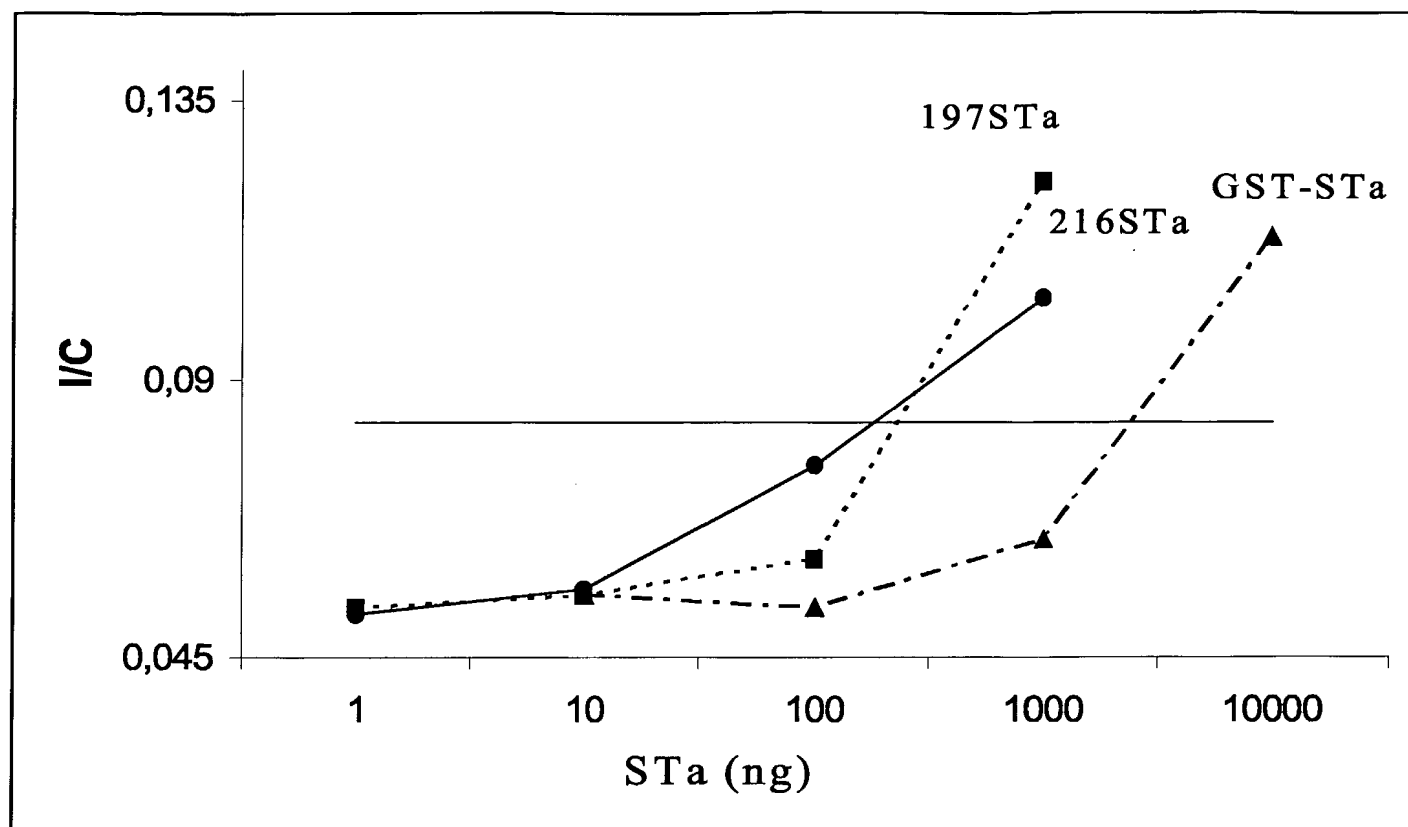


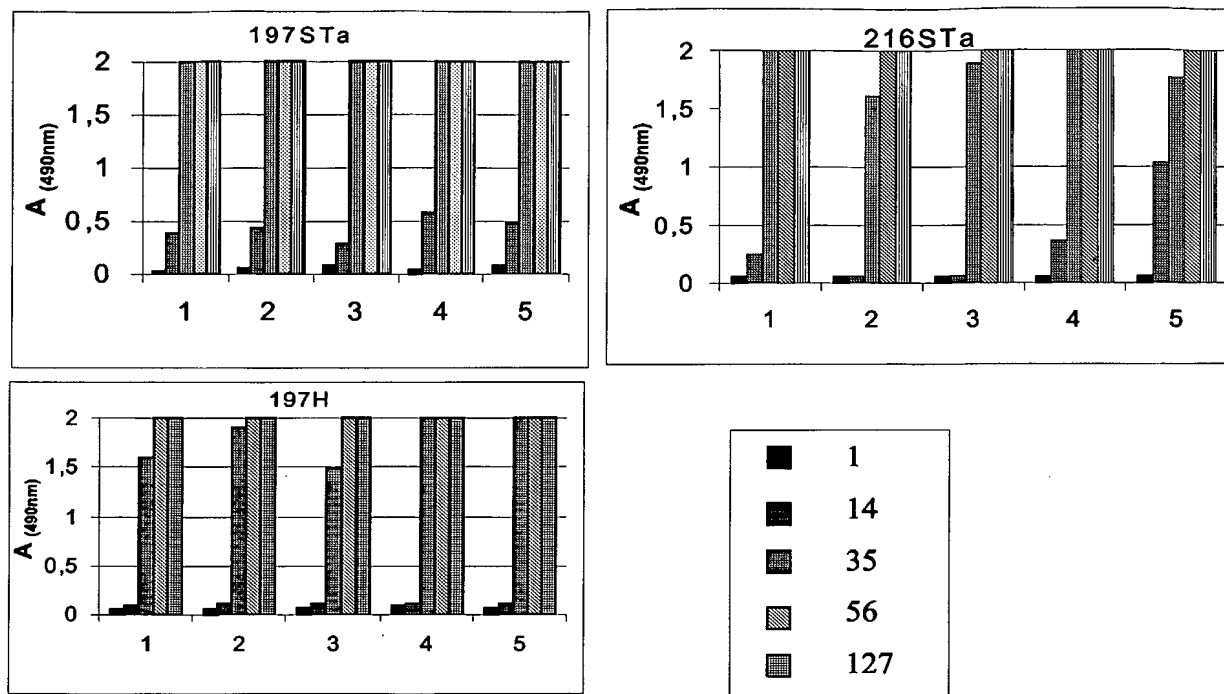
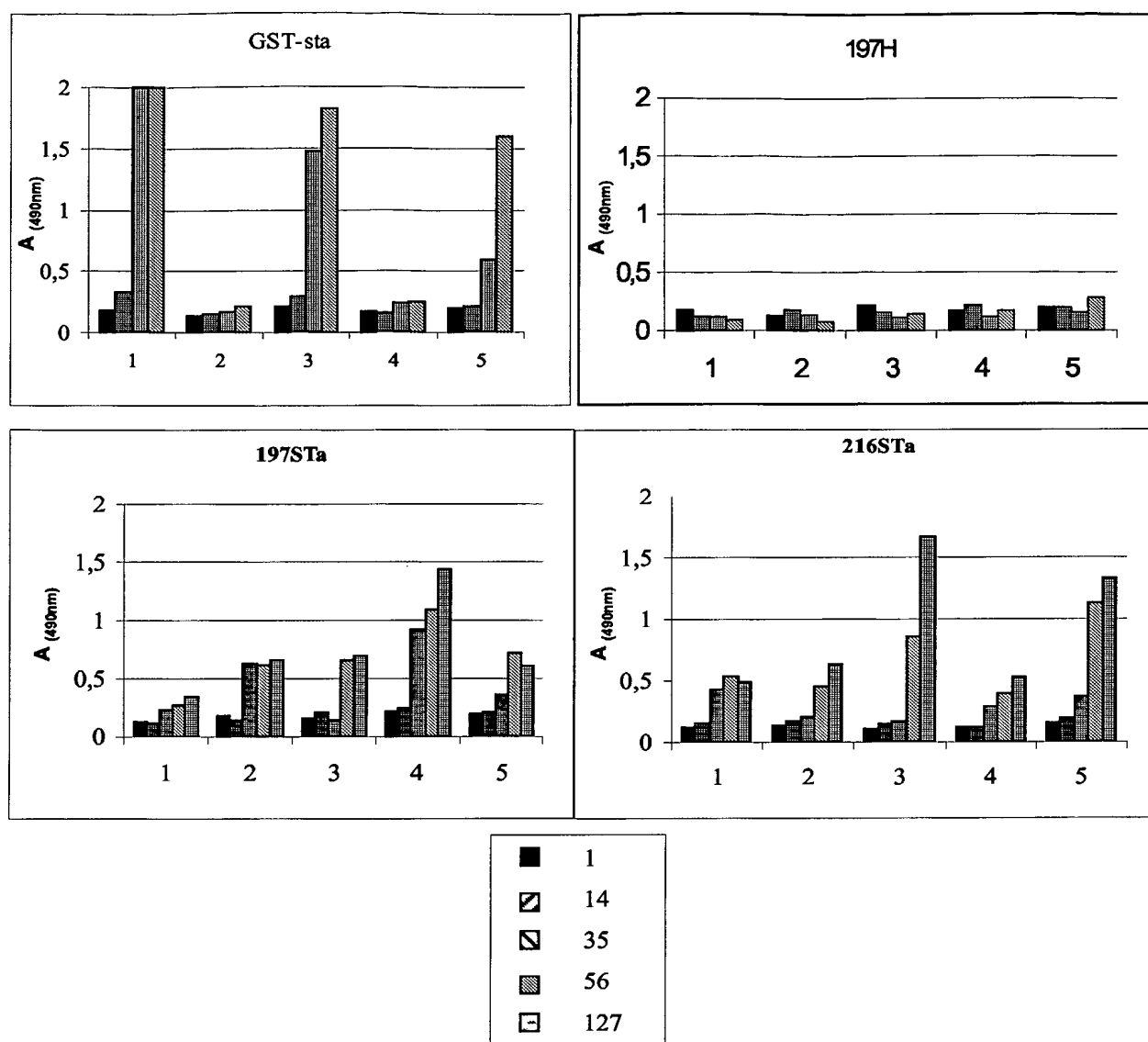
Fig. 8A

Fig. 8B

9/23

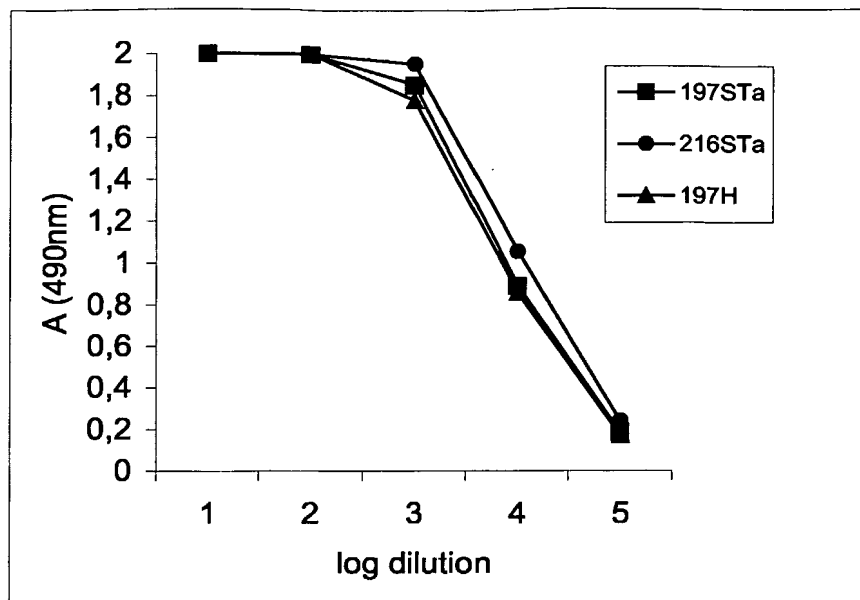
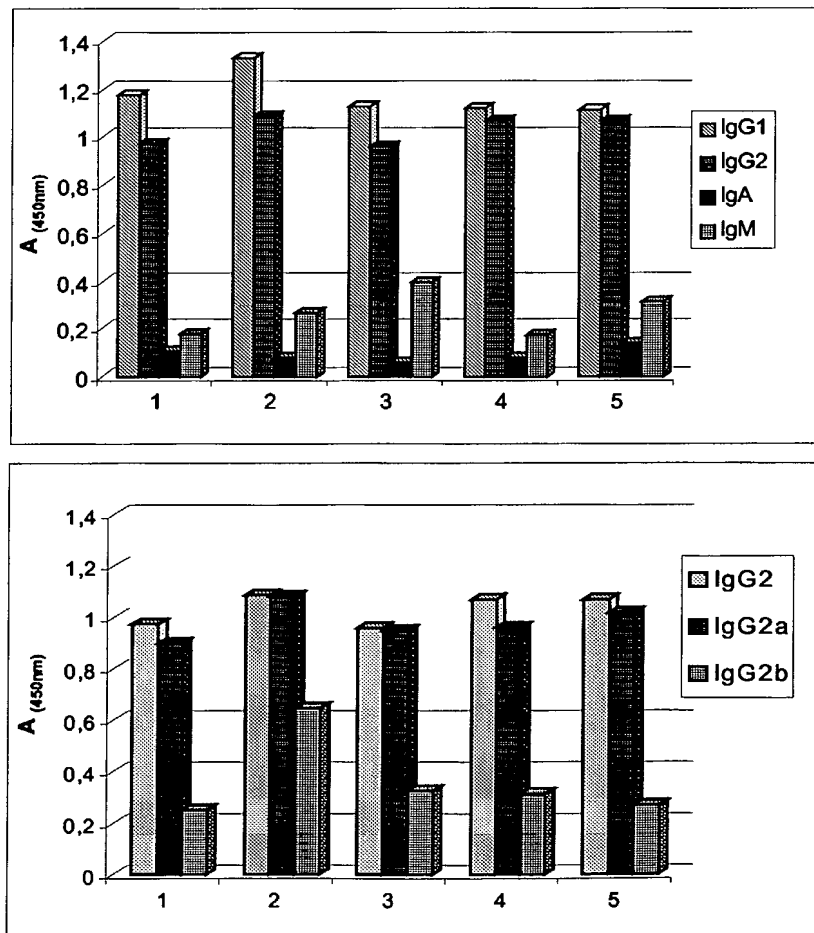
Fig. 9**Fig. 10**

Fig. 11

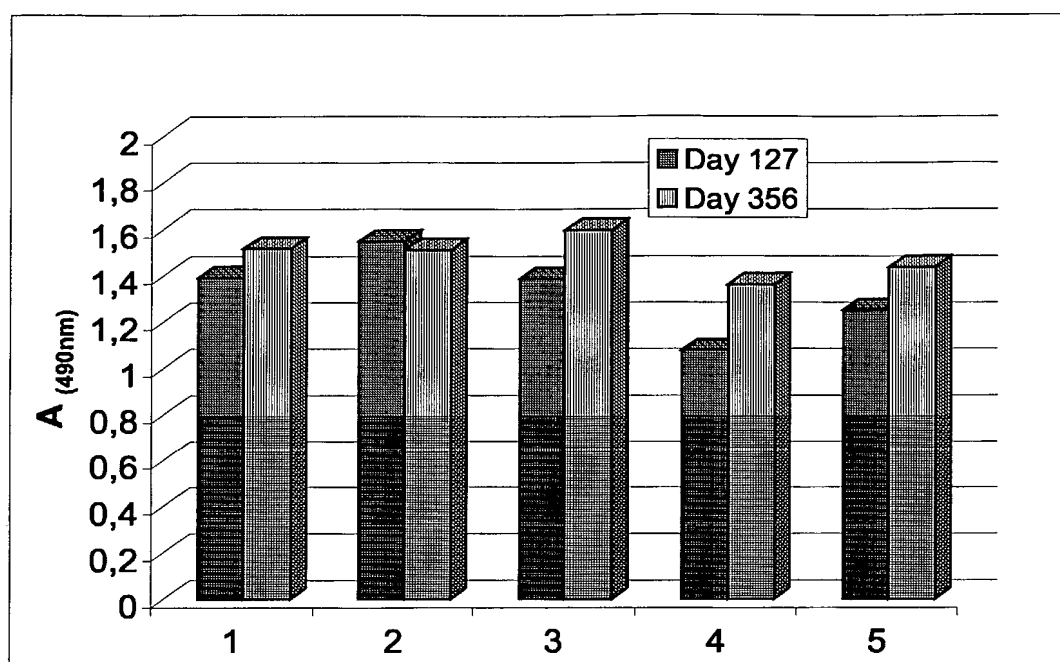


Fig. 12 A, B, C**A**

S	E	D	A	B	C	P
---	---	---	---	---	---	---

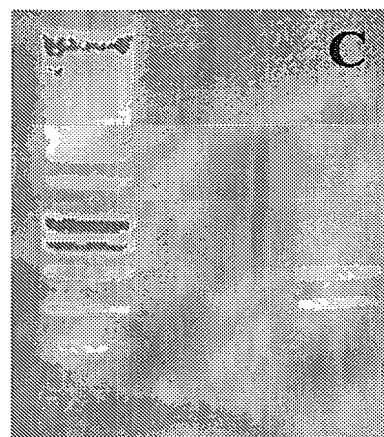
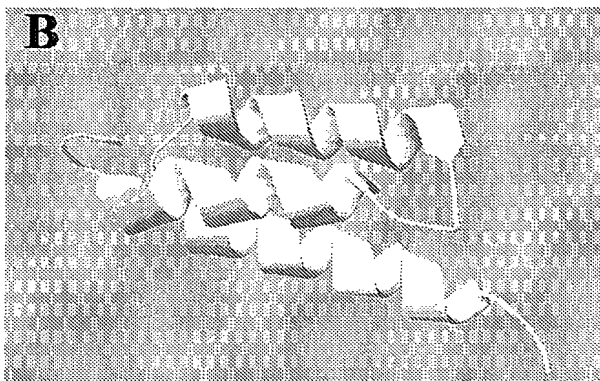


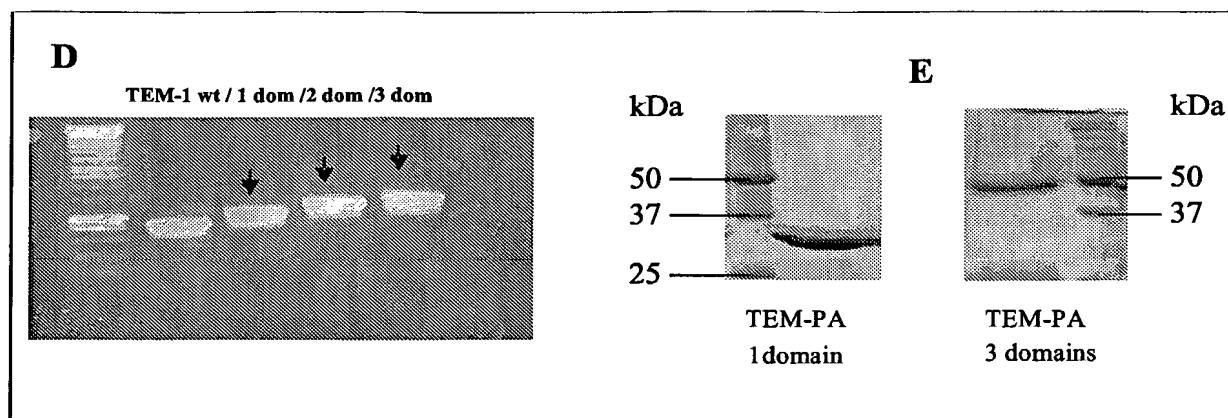
Fig. 12 D, E

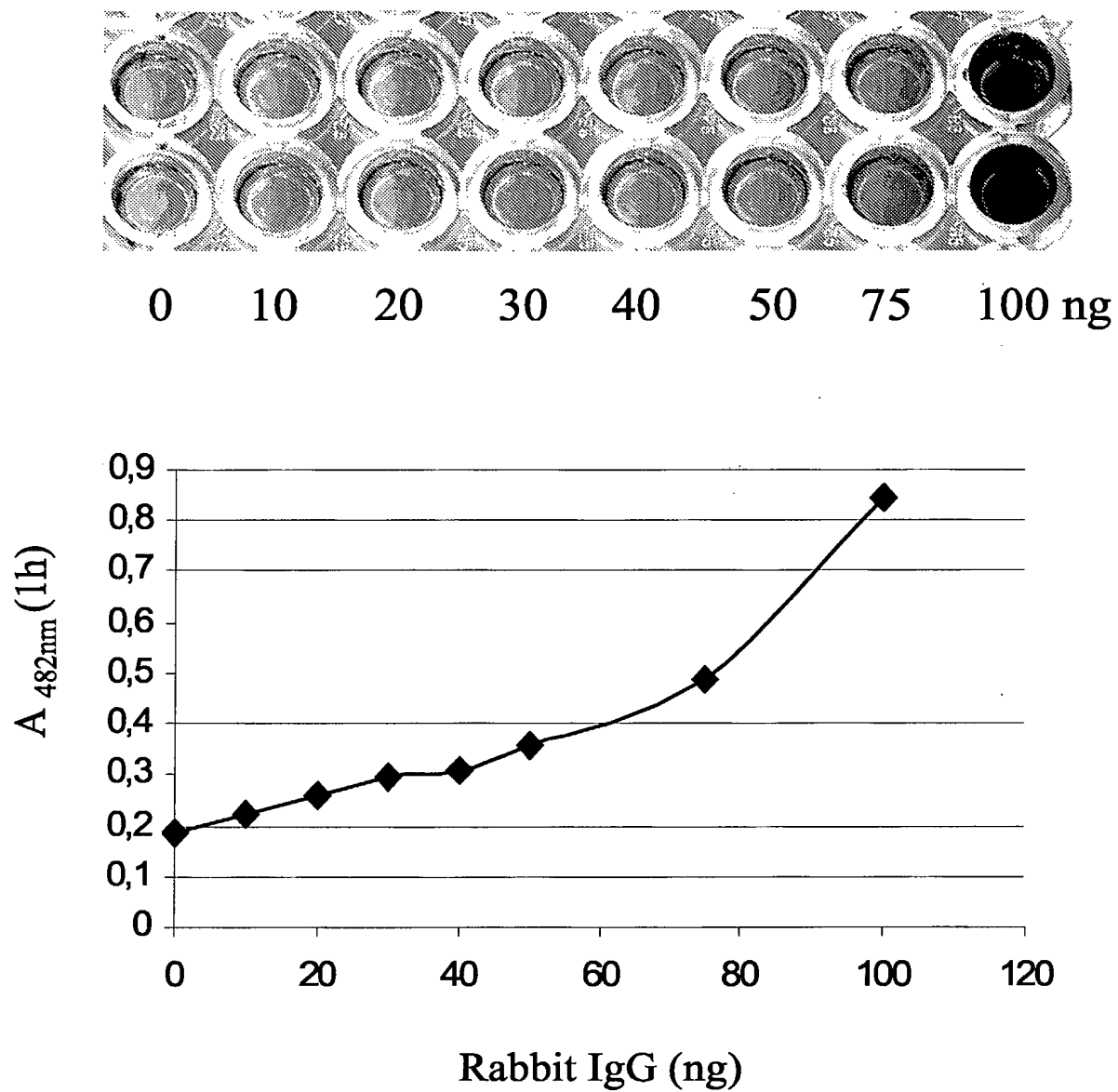
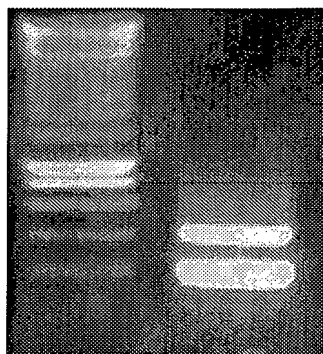
Fig. 13

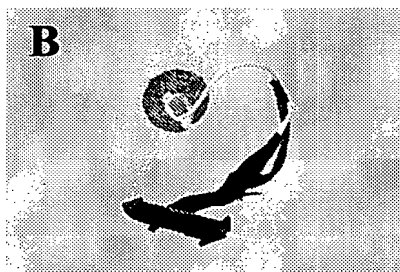
Figure 14 A B C D



C



B



D

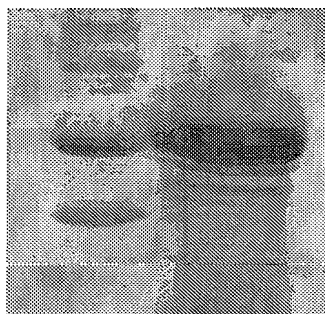


Fig. 15

BlaP Ala Leu Glu Asp Lys Leu Pro Ser Glu Lys
Wt GCT- CTT- GAA- GAT- AAA- CTT- CCA- AGT- GAA- AAA

BlaP Ala Leu Glu Asp Pro Arg Phe Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Thr Thr Gly Lys Lys Lys Lys
HA GCT- CTT- GAA- GAT- CCC- AGG- TTT- TAT- CCA- TAC- GAC- GAC- GTC- CCG- GAC- TAC- TAC- GCC- ACA- ACT- GGG- AAA- CTT- CCA- AGT- GAA- AAA

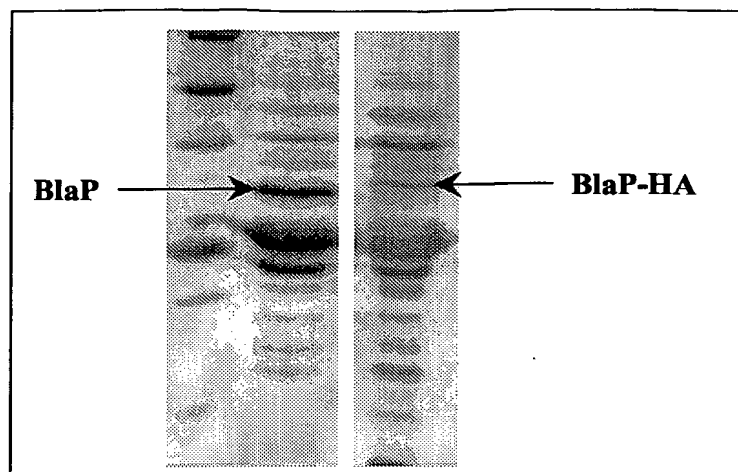
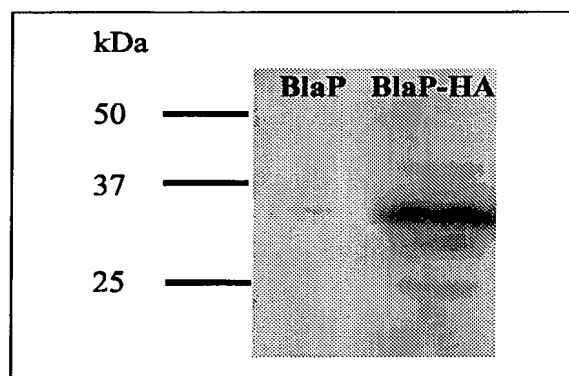
Fig. 16**Fig. 17**

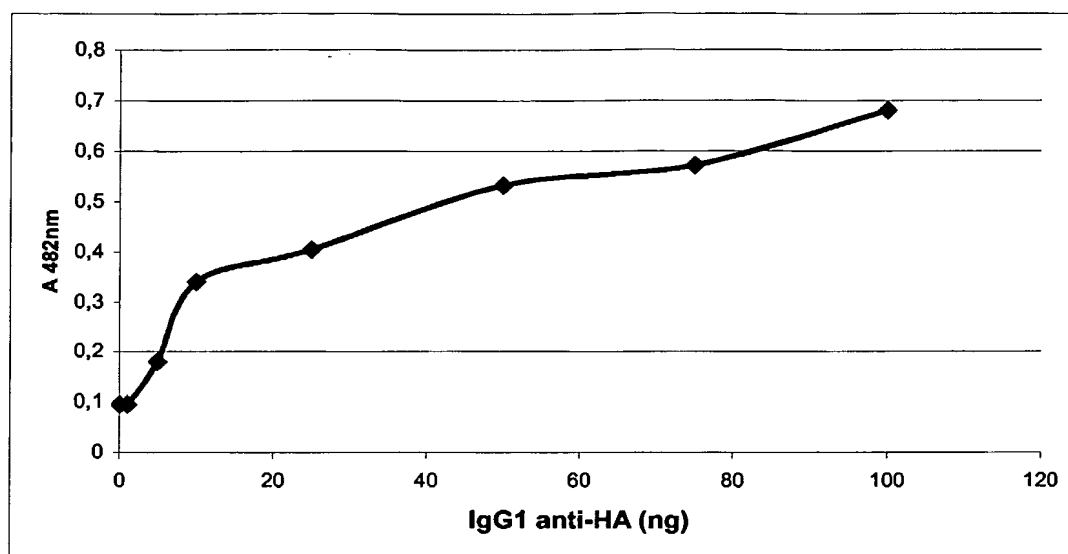
Fig. 18

Fig. 19

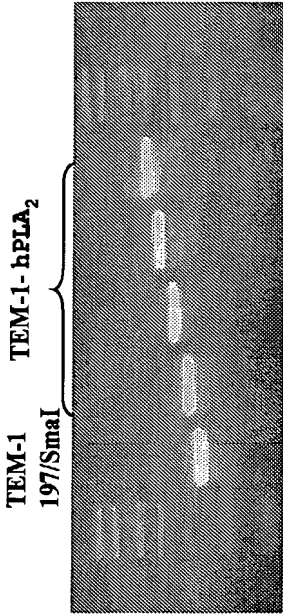


Fig. 20

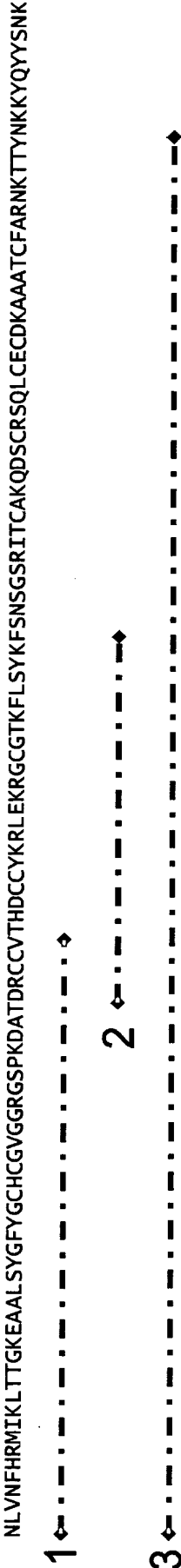
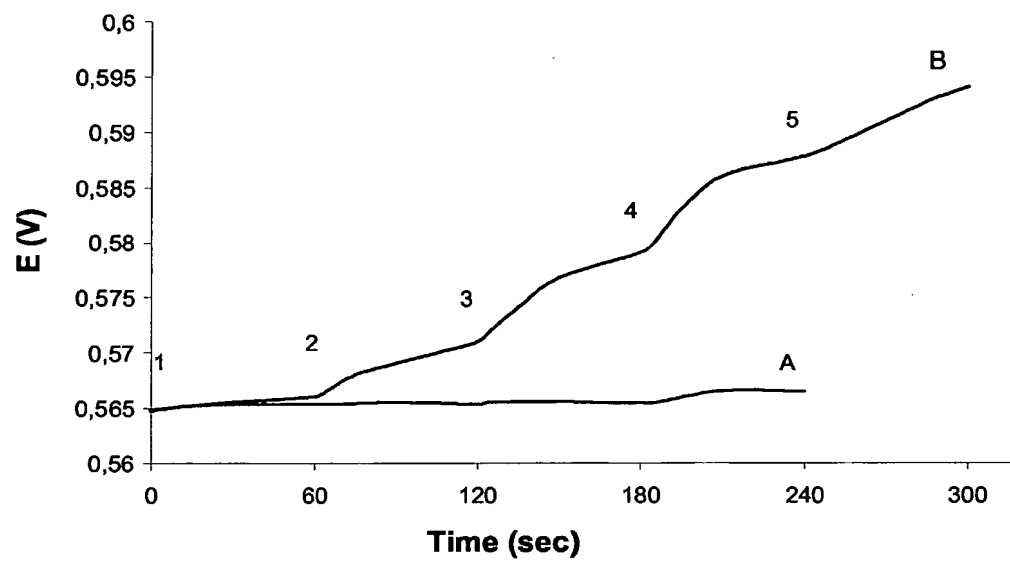
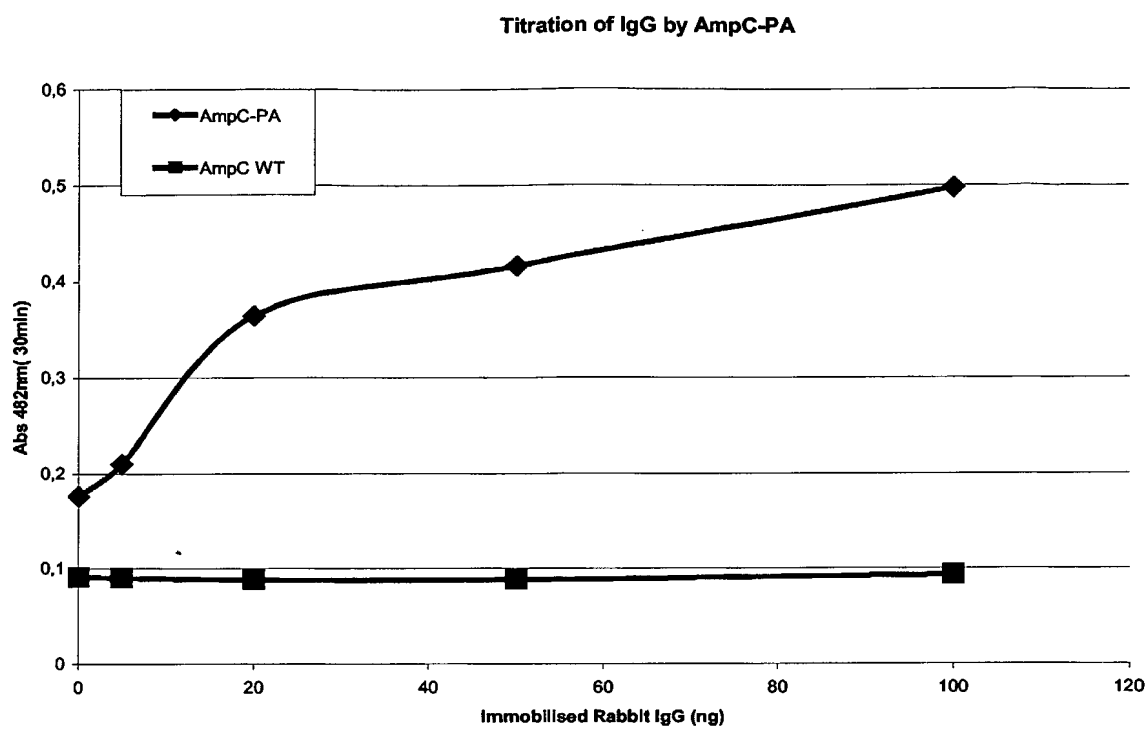
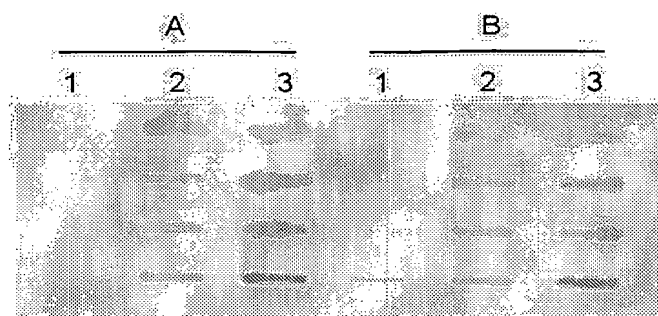
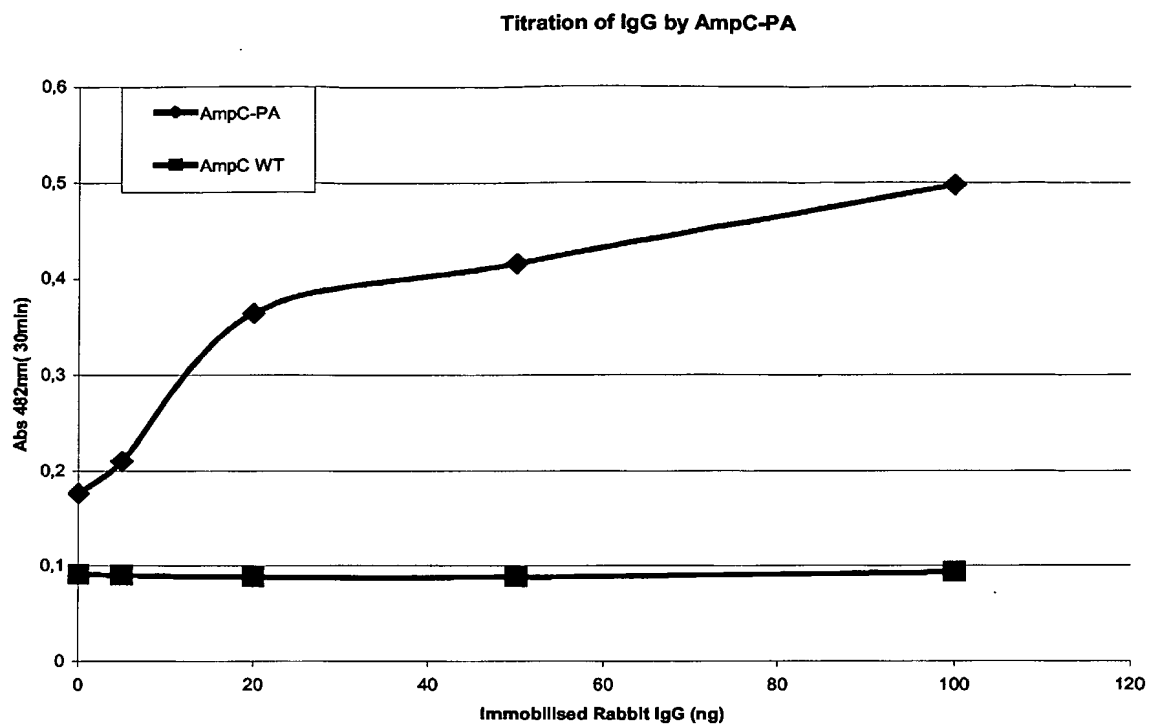


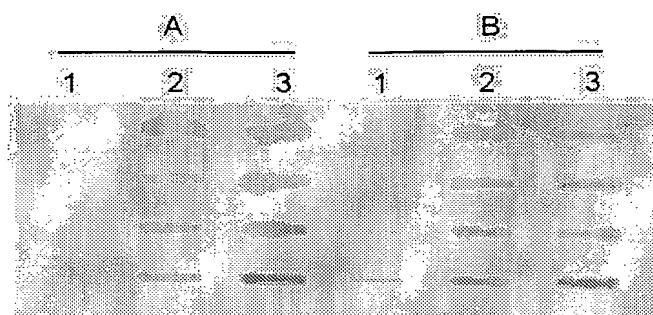
Fig. 21



**Fig. 22**

**Fig. 23**

**Fig. 22**

**Fig. 23**